

14PT REC'D PCT/PTO 31 JUL 2006

PTO-1390 (Rev. 07-2005)

Approved for use through 3/31/2007. OMB 0651-0021

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371		ATTORNEY'S DOCKET NUMBER 00137.0026.00US01 U.S. APPLICATION NO. 10/588081 (35 U.S.C. 1.5)
INTERNATIONAL APPLICATION NO. PCT/EP2004/011457	INTERNATIONAL FILING DATE 12TH OCTOBER 2004	PRIORITY DATE CLAIMED 15TH OCTOBER 2003
TITLE OF INVENTION COMPOSITION FOR REDUCING OX EMISSIONS IN FCC REGENERATION PROCESS		
APPLICANT(S) FOR DO/EO/US KUENLER, CHRISTOPHER W. ; O'CONNOR, PAUL ; STAPPIES, DENNIS		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
1. <input checked="" type="checkbox"/> This is a FIRST submission of items concerning a submission under 35 U.S.C. 371. 2. <input type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a submission under 35 U.S.C. 371. 3. <input type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below. 4. <input checked="" type="checkbox"/> The US has been elected (Article 31). 5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2)) a. <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau). b. <input checked="" type="checkbox"/> has been communicated by the International Bureau. c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US). 6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)). a. <input type="checkbox"/> is attached hereto. b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4). 7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> have been communicated by the International Bureau. c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired. d. <input checked="" type="checkbox"/> have not been made and will not be made. 8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)). 9. <input type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). 10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)). Items 11 to 20 below concern document(s) or information included: 11. <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98. 12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. 13. <input type="checkbox"/> A preliminary amendment. 14. <input type="checkbox"/> An Application Data Sheet under 37 CFR 1.76. 15. <input type="checkbox"/> A substitute specification. 16. <input type="checkbox"/> A power of attorney and/or change of address letter. 17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821-1.825. 18. <input checked="" type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4). 19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).		

This collection of information is required by 37 CFR 1.414 and 1.491-1.492. The information is required to obtain or retain a benefit by the public, which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 15 minutes to complete, including gathering information, preparing, and submitting the completed form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

IAF5 Rec'd PCT/PTO 31 JUL 2006

PTO-1390 (Rev. 07-2005)

Approved for use through 3/31/2007. OMB 0651-0021

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

U.S. APPLICATION NO. (if known, see 37 CFR 1.5) 10/588081		INTERNATIONAL APPLICATION NO. PCT/EP2004/011457		ATTORNEY'S DOCKET NUMBER 00137.0086.00US01	
20. Other items or information: FORM PTO/SB/64/PCT (3 Pages); FORM PCT/RO/101 (5 Pages); FORM PCT/IB/304 (1 Page); FORM PCT/IB/306 (1 PAGE); PUBLISHED PCT APPLICATION WO 2005/040311 (13 Pages); INTERNATIONAL SEARCH REPORT (4 Pages); WRITTEN OPINION (6 Pages); INTERNATIONAL PRELIMINARY EXAMINATION REPORT (6 Pages); TWO RETURN POSTCARDS.					
The following fees have been submitted				CALCULATIONS	PTO USE ONLY
21. <input checked="" type="checkbox"/> Basic national fee (37 CFR 1.492(a))..... \$300				\$ 300.00	
22. <input checked="" type="checkbox"/> Examination fee (37 CFR 1.492(c))				\$ 200.00	
If the written opinion prepared by ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)..... \$0					
All other situations..... \$200					
23. <input checked="" type="checkbox"/> Search fee (37 CFR 1.492(b))				\$ 500.00	
If the written opinion of the ISA/US or the International preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)..... \$0					
Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority..... \$100					
International Search Report prepared by an ISA other than the US and provided to the Office or previously communicated to the US by the IB..... \$400					
All other situations..... \$500					
TOTAL OF 21, 22 and 23 =					
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (e) or computer program listing in an electronic medium) (37 CFR 1.492(j)). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.					
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE		
- 100 =	/50 =		x \$250	\$	
Surcharge of \$130.00 for furnishing any of the search fee, examination fee, or the oath or declaration after the date of commencement of the national stage (37 CFR 1.492(h)).				\$	
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	\$	
Total claims	- 20 =		x \$ 50	\$	
Independent claims	- 3 =		x \$200	\$	
MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+ \$360	\$ 360.00	
TOTAL OF ABOVE CALCULATIONS =				\$	
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2.					
SUBTOTAL =				\$	
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).				\$	
TOTAL NATIONAL FEE =				\$ 1,360.00	
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property				\$	
TOTAL FEES ENCLOSED =				\$ 1,360.00	
				Amount to be refunded:	\$
				Amount to be charged	\$

10/588081

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

- a. ☐ A check in the amount of \$ _____ to cover the above fees is enclosed.
- b. ☒ Please charge my Deposit Account No. 08-3038 in the amount of \$ 1,360.00 to cover the above fees.
A duplicate copy of this sheet is enclosed.
- c. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 08-3038. A duplicate copy of this sheet is enclosed.
- d. ☐ Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. **Credit card information should not be included on this form.** Provide credit card information and authorization on PTO-2038.

NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.

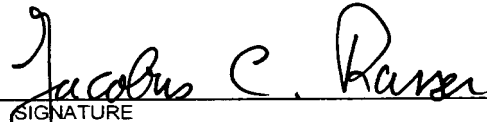
SEND ALL CORRESPONDENCE TO:

CUSTOMER NUMBER 32894

HOWREY LLP

2941 FAIRVIEW PARK DRIVE, Box 7
FALLS CHURCH, VA 22042

FAX: 703-336-6950



SIGNATURE

JACOBUS C. RASSER

NAME

37,043

REGISTRATION NUMBER

Please indicate receipt of the below-identified paper:

PTO

New Application For: UTILITY	Priority Date: 15TH OCTOBER 2003
Priority Claimed: US 60/511,101 EP 03078313.8	Fee Amt: \$1000 NATIONAL FEE \$1500 PETITION FEE Acct. No. 01-2508/08-3038
Other Enclosures: - PCT/DO/EO- Form PTO-1390 (3 Pages in duplicate); - Transmittal Letter (2 Pages in duplicate) - Form PTO/SB/64/PCT; - Form PCT/RO/101 (5 Pages); - Form PCT/IB/304 (1 Page); - Form PCT/IB/306 (1 Page); - A copy of PCT Publication WO 2005/040311 A1 (13 pages); - International Search Report (4 Pages); - Written Opinion (6 Pages); - International Preliminary Examination Report (6 Pages); and - Two return postcards.	

IDENTIFICATION OF APPLICATION

Serial No. TBA	Responsible Attorney: RASSER, J.
Title: COMPOSITION FOR REDUCING OX EMISSIONS IN FCC REGENERATION PROCESS	
Applicant: KUEHLER et al.	
Client: ALBEMARLE NETHERLANDS B.V.	Firm File No.: 00137.0086.00US01
To PTO Via Express Mail Delivery	Date: 21 st July 2006

HOWREY LLP
2941 Fairview Park Drive, Box 7
Falls Church, VA 22042
www.howrey.com
F. 703.336.6950

Our Ref: 00137.0086.00US01

21st July 2006

Mail Stop PCT

Attention: PCT Legal

Commissioner for Patents

PO Box 1450

Alexandria, VA 22313-1450

Re. US National Phase International Application No. PCT/EP2004/011457
International Filing Date: 12th October 2004
Priority (1): 15th October 2003 (US 60/511,101)
Priority (2): 21st October 2003 (EP 03078313.8)
For: **Composition for reducing Ox emissions in FCC Regeneration Process**
Inventor: KUEHLER, Christopher W., et al.
Our Ref: 00137.0086.00US01

Sir

Transmitted herewith for appropriate action by the U.S. Patent and Trademark Office (PTO) are the following documents:

1. Petition for Revival of an International Application for Patent designating the U.S. abandoned unintentionally under 37 CFR 1.137(b), Form PTO/SB/64/PCT;
2. Transmittal Letter to the United States Designated / Elected Office, Form PTO-1390 (in duplicate);
3. Form PCT/RO/101 (5 Pages);
4. Form PCT/IB/304 (1 Page);
5. Form PCT/IB/306 (1 Page);
6. A copy of PCT Publication WO 2005/035691 A1 (13 pages);
7. International Search Report (4 Pages);
8. Written Opinion (6 Pages);
9. International Preliminary Examination Report (6 Pages); and
10. Two return postcards.

Our Ref: 00137.0086.00US01

It is respectfully requested that the attached postcards be stamped with the date of filing of these documents, and be returned to our given address.

In the event that the Petition for Revival is deemed allowable, and this application is thereby revived, where extensions of time are necessary to prevent a further abandonment of this patent application, then such extensions of time are hereby petitioned.

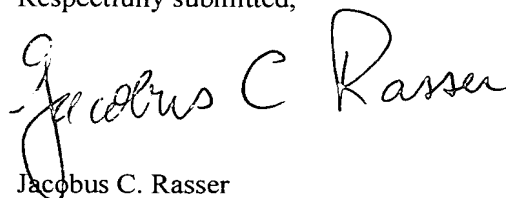
The U.S. Patent and Trademark Office is hereby authorized to charge the following fees to our Deposit Account No. 08-3038 referencing docket number 00137.0086.00US01.

\$1,360.00 Filing Fee for patent application

\$1,500.00 Petition Fee for Revival of an International Application for Patent
designating the U.S. abandoned unintentionally under 37 CFR 1.137(b)

A duplicate copy of this letter is enclosed.

Respectfully submitted,



Jacobus C. Rasser

(Reg. No. 37,043)

Enclosures.

10/588081

PATENT

IAP5 Rec'd PCT/PTO 31 JUL 2006

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

KUEHLER, Christopher W. et al

Intl. Patent Application No.: PCT/EP2004/011457

Intl. Filing Date: 12th October 2004

For: COMPOSITION FOR REDUCING OX EMISSIONS IN
FCC REGENERATION PROCESS

Our Ref: 00137.0086.00US01

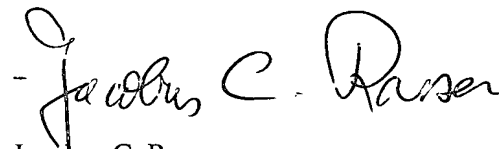
STATEMENT ACCOMPANYING FORM PTO/SB/64/PCT

Sir,

The Applicants have always considered international patent application number PCT/EP2004/011457 to be of value to them. The Applicants designated the United States of America in the international patent application and always maintained a strong desire to enter that application into the national phase before the United States Patent and Trademark Office (U.S. PTO) and to ultimately obtain a United States Patent therefrom.

The Applicants delay in entering the national phase was not caused by any desire to defer patent prosecution expenses or official fees. Further, no internal decision was taken by the Applicants to abandon the application. Rather, the entire delay was due to an internal miscommunication during the international phase.

Respectfully submitted,



Jacobus C. Rasser

(Reg. No. 37,043)

Jacobus C. Rasser
HOWREY LLP
2941 Fairview Park Drive, Box 7
Falls Church, VA 22042
www.howrey.com
F. 703.336.6950
rasserj@howrey.com